

## ABSTRACT OF THE DISCLOSURE

A process for the separation of alkyl branched C<sub>12</sub> to C<sub>24</sub> fatty acids from a fatty acid mixture comprising linear and alkyl branched C<sub>12</sub> to C<sub>24</sub> fatty acids comprises; (i) optionally hydrogenating the fatty acid mixture, (ii) cooling the mixture to form crystals, and (iii) separating the alkyl branched C<sub>12</sub> to C<sub>24</sub> fatty acids from the mixture by dry fractionation.